

What is claimed is:

1. An authentication object image pick-up device comprising:

face image pick-up device for picking up a face image of a person to be authenticated;

5 eye image pick-up device being pointed at a direction of an eye of the authenticated person, said direction is obtained by analyzing the face image of the authenticated person picked up by the face image pick-up device, for picking up an eye image of the authenticated
10 person;

monitoring image pick-up device for picking up an image of a circumference of places in which the face image pick-up device and the eye image pick-up device are provided; and

15 control section for analyzing an image picked up by the monitoring image pick-up device to obtain a position of a face of the authenticated person, and pointing an image pick-up direction of the face image pick-up device at a direction of the face position before the authenticated
20 person enters to a shooting range of the face image pick-up device.

2. An authentication object image pick-up device comprising:

eye image pick-up device for picking up an eye

image of a person to be authenticated;

5 monitoring image pick-up device for picking up an image of a circumference of a place in which the eye image pick-up device is provided; and

control section for analyzing an image picked up by the monitoring image pick-up device to obtain a position of
10 an eye of the authenticated person, and pointing an image pick-up direction of the eye image pick-up device at a direction of the eye position before the authenticated person enters to a shooting range of the eye image pick-up device.

3. The authentication object image pick-up device according to Claim 2,

wherein the control section obtains the eye position of the authenticated person from a position of a
5 head top portion of the authenticated person acquired from the image picked up by the monitoring image pick-up device and information about a distance to the authenticated person acquired by distance measuring device.

4. The authentication object image pick-up device according to claim 2,

wherein the control section obtains the position of the eye from a position of a head top portion of the
5 authenticated person which is acquired from the image

picked up by the monitoring image pick-up device and a position of a shoulder or an ear of the authenticated person.

5. The authentication object image pick-up device according to Claim 1,

wherein the control section extracts an iris pattern or a retina pattern from the eye image.

6. The authentication object image pick-up device according to Claim 2,

wherein the control section extracts an iris pattern or a retina pattern from the eye image.

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7. An authentication object image pick-up device comprising:

face image pick-up device for picking up a face image of a person to be authenticated;

5 monitoring image pick-up device for picking up an image of a circumference of a place in which the face image pick-up device is provided; and

control section for analyzing an image picked up by the monitoring image pick-up device to obtain a position of
10 a face of the authenticated person, and pointing an image pick-up direction of the face image pick-up device at a direction of a position of the face before the

authenticated person enters a shooting range of the face image pick-up device.

8. The authentication object image pick-up device according to Claim 7,

wherein the control section extracts a face feature pattern from the face image.

9. An authentication object image pick-up method comprising the steps of:

5 picking up, by monitoring image pick-up device, an image of a circumference of a place in which face image pick-up device for picking up a face image of a person to be authenticated is provided;

analyzing the image picked up by the monitoring image pick-up device to obtain a position of a face of the authenticated person;

10 pointing an image pick-up direction of the face image pick-up device at a direction of the position of the face before the authenticated person enters a shooting range of the face image pick-up device;

15 picking up a face image of the authenticated person by the face image pick-up device immediately when the authenticated person enters the shooting range; and

analyzing the face image of the authenticated person which is picked up by the face image pick-up device

and picking up, by eye image pick-up device, an eye image
20 of the authenticated person which is obtained.

10. An authentication object image pick-up method comprising the steps of:

picking up, by monitoring image pick-up device, an image of a circumference of a place in which eye image
5 pick-up device for picking up an eye image of a person to be authenticated is provided;

analyzing the image picked up by the monitoring image pick-up device to obtain a position of an eye of the authenticated person;

10 pointing an image pick-up direction of the eye image pick-up device at a direction of the position of the eye before the authenticated person enters a shooting range of the eye image pick-up device; and

15 picking up an eye image of the authenticated person by the eye image pick-up device immediately when the authenticated person enters the shooting range.

11. The authentication object image pick-up method according to Claim 10,

wherein the position of the eye of the authenticated person is obtained from a position of a head
5 top portion of the authenticated person which is acquired from the image picked up by the monitoring image pick-up

device, and

wherein information about a distance to the
authenticated person which is acquired by distance
10 measuring device.

12. The authentication object image pick-up method
according to Claim 10,

wherein the position of the eye is obtained from a
position of a head top portion of the authenticated person
5 which is acquired from the image picked up by the
monitoring image pick-up device and a position of a
shoulder or an ear of the authenticated person.

13. The authentication object image pick-up method
according to Claim 9,

wherein an iris pattern or a retina pattern is
extracted from the eye image.

14. The authentication object image pick-up method
according to Claim 10,

wherein an iris pattern or a retina pattern is
extracted form the eye image.

15. The authentication object image pick-up method
according to Claim 11,

wherein an iris pattern or a retina pattern is

extracted from the eye image.

16. An authentication object image pick-up method comprising the steps of:

picking up, by monitoring image pick-up device, an image of a circumference of a place in which face image pick-up device for picking up a face image of a person to be authenticated is provided;

analyzing the image picked up by the monitoring image pick-up device to obtain a position of a face of the authenticated person;

10 pointing an image pick-up direction of the eye image pick-up device at a direction of the position of the face before the authenticated person enters a shooting range of the face image pick-up device; and

15 picking up a face image of the authenticated person by the face image pick-up device immediately when the authenticated person enters the shooting range.

17. An authentication object image pick-up method according to Claim 16,

wherein a face feature pattern is extracted from the face image.